

Title (en)
HIGH PRESSURE PUMP FOR A FUEL INJECTION SYSTEM

Title (de)
HOCHDRUCKPUMPE FÜR EIN KRAFTSTOFFEINSPRITZSYSTEM

Title (fr)
POMPE À HAUTE PRESSION POUR SYSTÈME D'INJECTION DE CARBURANT

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Application
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Abstract (en)
[origin: WO2014191220A1] The invention relates to a high pressure pump for a fuel injection system, in particular a common rail injection system, comprising a housing part (1) with a bore (2), in which a pump piston (3) is received such that it can be moved with a reciprocating movement, which pump piston (3) is supported via a tappet assembly (4) on a cam (5) or eccentric and delimits a pump working chamber (6) in the axial direction, which pump working chamber (6) can be filled with fuel via an upstroke valve (7) which is integrated into the high pressure pump. According to the invention, a feed bore (8) is configured in the housing part (1) in order to supply the upstroke valve (7) with fuel, which feed bore (8) is connected to a bore (11) of a further housing part (12), which bore (11) connects a pump interior chamber (9) and a tappet chamber (10).

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